

Levin-Richmond Terminal Corporation

402 Wright Avenue, Richmond, California 94804

Tel. (510) 232-4422 / Fax. (510) 236-0129

January 21, 2000

David Dwinell
U.S. Army Corps of Engineers
San Francisco District
333 Market St.
San Francisco, CA 94105

Dear Mr. Dwinell,

Mike Cheney asked me to send these documents to you so that we can expedite the permit for our dredging. As you can see from the enclosed drawings, our functional depth has already been at -40' MLLW or in some cases closer to -41'.

If you have any questions, comments or need other documents, please call or e-mail me.

Thank you in advance for your kind efforts.

Jim Cannon
Phone: 510-232-4422 ext. 320
e-mail: jimc@levinterminal.com

SYMBOL	DESCRIPTION	DATE	APPROVAL
REVISIONS			
		U. S. ARMY ENGINEER DISTRICT, SAN FRANCISCO CORPS OF ENGINEERS SAN FRANCISCO, CALIFORNIA	
DRAWN BY:	CONTRA COSTA COUNTY CALIFORNIA -11.60 METER RICHMOND HARBOR NAVIGATION IMPROVEMENT PROJECT POST-DREDGE SURVEY		
CHECKED BY:			
APPROVAL RECOMMENDED		APPROVED DATE	
CHIEF: PLANNING AND ENGINEERING DIVISION		CHIEF: CONSTRUCTION-OPERATIONS DIVISION	
PREPARED UNDER THE DIRECTION OF RICHARD G THOMPSON LT. COLONEL C.E., DISTRICT ENGINEER		SCALE: 1:2500 DRAWING: 01A-PVS4 SHEET 4 OF 4	DATE: 7-17-98

32+50

000' 11/16/98

INTERNATIONAL GYPSUM
CHANNEL

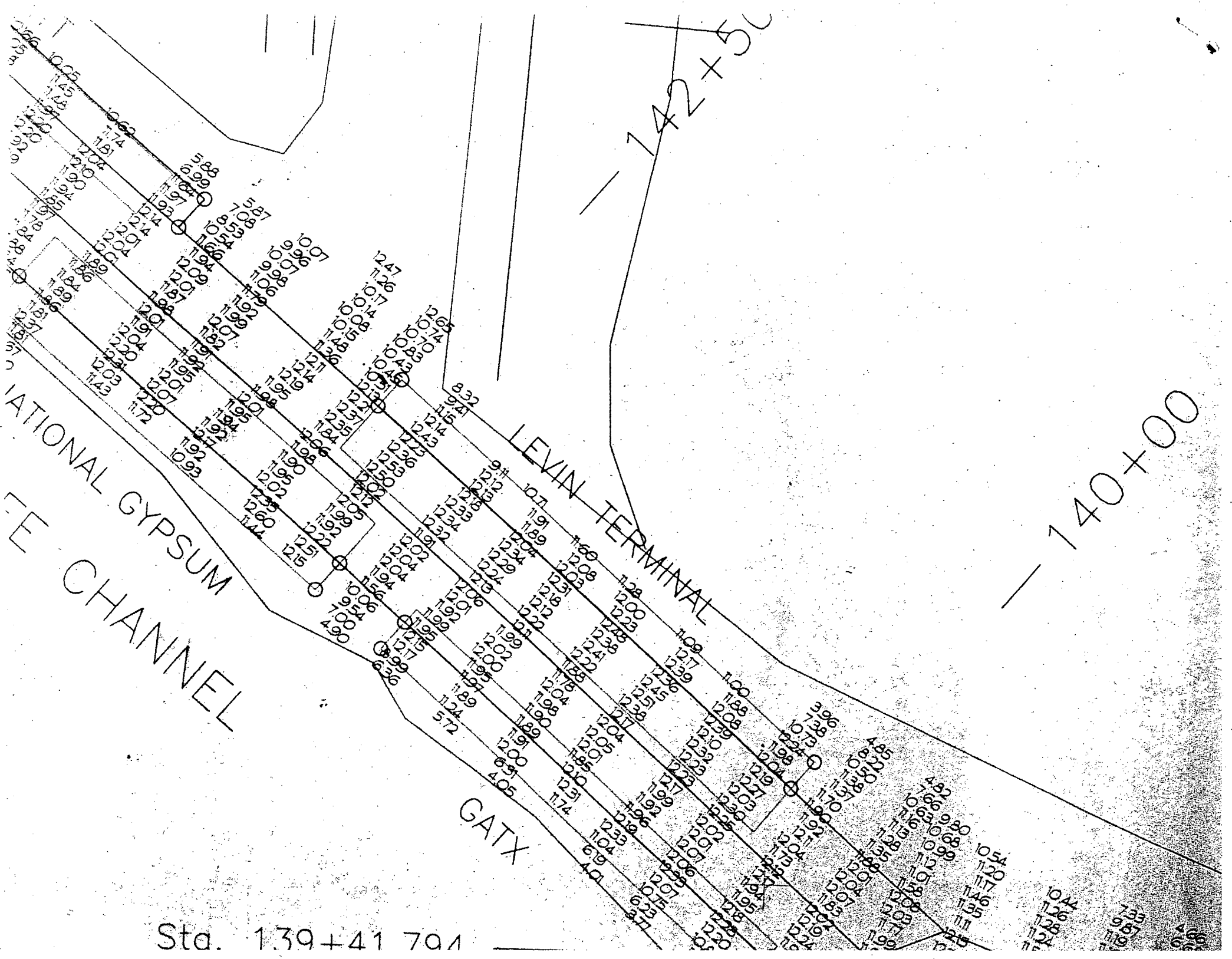
LEVIN TERMINAL

GATX


Sta. 139+41 704

142+50

140+00



LOCATION OF AREAS
CONTAINING MATERIAL
REQUIRING UPLAND DISPOSAL

SYMBOL		DESCRIPTION	DATE	APPROVAL
REVISIONS				
 Sea Surveyor, Inc. Benito, California 94518 (707) 746-1853		U. S. ARMY ENGINEER DISTRICT, SAN FRANCISCO CORPS OF ENGINEERS SAN FRANCISCO, CALIFORNIA		
DRAWN BY: E.W.		CONTRA COSTA CO. CALIFORNIA		
CHECKED BY: TR		RICHMOND HARBOR -11.60m NAVIGATION IMPROVEMENT MATERIAL AREAS, VOLUMES AND UPLAND DISPOSAL PLAN		
DESIGNED BY: <i>Richard Thompson</i> PROJECT COORDINATOR				
SUBMITTED: <i>Richard G. Thompson</i> CHIEF CIVIL DESIGN SECTION				
APPROVAL RECOMMENDED: <i>Richard G. Thompson</i> CHIEF, ENGINEERING BRANCH				
APPROVED: <i>Richard G. Thompson</i> CHIEF, PLANNING/ENGINEERING DIVISION		DATE: 8/23/96		
PREPARED UNDER THE DIRECTION OF RICHARD G. THOMPSON LT. COLONEL, C.E., DISTRICT ENGINEER		SCALE: 1:2,400	JOB NO. FY96-130	
		DRAWING NUMBER		
		SHEET 6	9	1 115

MATERIAL VOLUMES

Composite	Project Depth (m)	Required Overdepth (m)	Allowable Overdepth (m)	QUANTITY (cubic meters)		
				Open Ocean	Upland	Total Quantity
S-1	11.60	0.00	0.30	699,000	0	699,000
H-1	11.60	0.30	0.30	244,000	0	244,000
H-2	11.60	0.30	0.30	51,000	0	51,000
H-3	11.60	0.30	0.30	14,000	0	14,000
S-2	11.60	0.00	0.30	27,000	0	27,000
S-3	11.60	0.00	0.30	235,000	48,000	283,000
H-4	11.60	0.30	0.30	343,000	85,000	428,000
<i>Subtotal</i>				1,613,000	133,000	1,746,000
Berths						
<i>Port of Richmond</i>						
6C & 7	11.60	0.00	0.30	18,000	0	18,000
Terminals 2 & 3	11.60	0.00	0.30	0	13,000	13,000
<i>Private Terminals</i>						
Arco	11.60	0.00	0.30	0	7,000	7,000
GATX	11.60	0.00	0.30	0	9,000	9,000
National Gypsum	11.60	0.00	0.30	0	8,000	8,000
Levin-Richmond	12.20	0.00	0.30	0	5,000	5,000
IMTT	11.60	0.00	0.30	0	5,000	5,000
<i>Subtotal</i>				18,000	47,000	65,000
TOTAL QUANTITIES (rounded):				1,631,000	180,000	1,811,000

Item 21.

Proposed Berth Dredging Quantity
Richmond Harbor Channel

Location	Berth Dimensions			Dredge Area (Sq. Ft)	Navigable Area (Sq. Ft)	Exist. Depth (Ft)	New Depth (Ft)	Estimated Quantity (CY)
	Length (Ft)	Dredge Width (Ft)	Actual Width (Ft)					
Port of Richmond								
Terminal 2	720	125	125	90,000	90,000	31.5	38.0	21,667
Terminal 3	1100	125	125	137,500	137,500	35.0	38.0	15,278
Berth 6C	950	125	125	118,750	118,750	35.0	38.0	13,194
Berth 7	700	125	125	87,500	87,500	35.0	38.0	9,722
Subtotal	3,470			433,750	433,750			59,861
Private Terminals								
ARCO	1100	125	125	137,500	137,500	35	38	15,278
GATX	700	50	95	35,000	66,500	26.6	38	14,778
National Gypsum	600	50	125	30,000	75,000	33.6	38	4,889
Levin	800	90	130	72,000	104,000	36	40	10,667
Texaco	600	50	75	30,000	45,000	33.6	38	4,889
Time Oil	700	95	95	66,500	66,500	36	38	4,926
Unocal	770	125	125	96,250	96,250	37	38	3,565
Subtotal	5,270			467,250	590,750			58,991
TOTAL	8,740			901,000	<u>1,024,500</u>			<u>118,852</u>

PROJECT W93133

FEB 16 1995

JORDAN WOODMAN DUBSON

1

Ecological Evaluation of Proposed Dredged Material from the Port of Richmond Maintenance and Deepening Program

H. L. Mayhew

N. P. Kohn

M. R. Pinza

P. J. White

L. M. Karle

J. Q. Word

**Battelle/Marine Sciences Laboratory
Sequim, Washington**

November 1994

**Prepared for
the Port of Richmond
Richmond, California
Under Contract Number 19476**

 **Battelle**
Pacific Northwest Laboratories

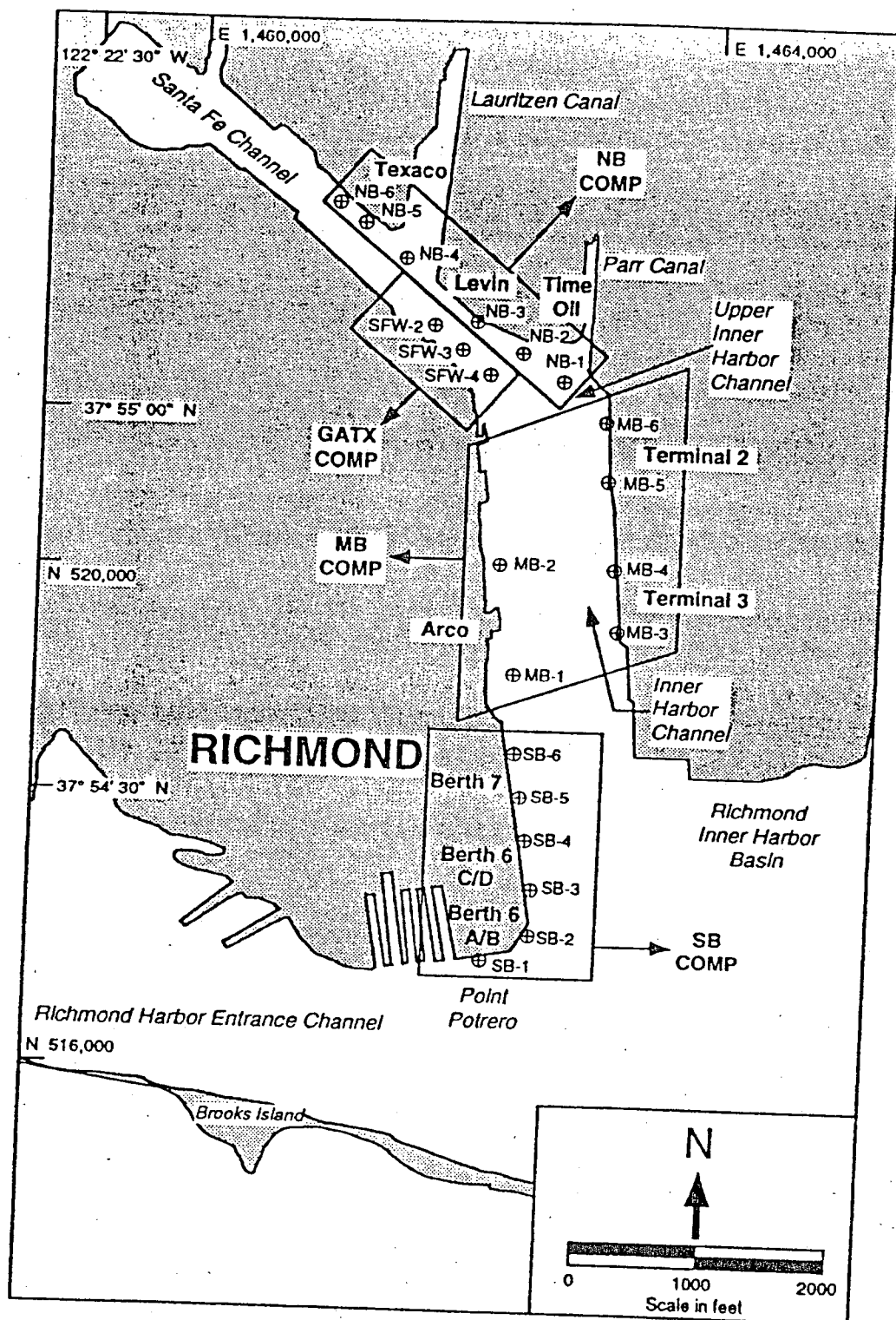


FIGURE 3.1. Sampling Stations and Compositing Scheme for the Port of Richmond Maintenance and Deepening Program

TABLE 3.3. Sediment Samples and Testing Strategy for Deepening Dredging Sediments Following the 1991 Implementation Manual, Port of Richmond Maintenance and Deepening Program,

Sediment Treatment	Core Size (in.)	Vertical Segment	Mudline (-ft MLLW)	Sediment Chemistry	SPP Testing	Solid-Phase Testing	Bioaccumulation Testing
SB COMP	NA^(a)	Mudline to -40 ft MLLW	NA	YES	YES	YES	YES
SB-1 (Berth 6 A)	12	Mudline to -40 ft MLLW	17.9	NO	NO	NO	NO
SB-2 (Berth 6 B)	12	Mudline to -40 ft MLLW	22.1	NO	NO	NO	NO
SB-3 (Berth 6 C)	12	Mudline to -40 ft MLLW	26.3	NO	NO	NO	NO
SB-4 (Berth 6 D)	12	Mudline to -40 ft MLLW	28.6	NO	NO	NO	NO
SB-5 (Berth 7)	12	Mudline to -40 ft MLLW	28.1	NO	NO	NO	NO
SB-6 (Berth 7)	12	Mudline to -40 ft MLLW	30.1	NO	NO	NO	NO
MB COMP	NA	Mudline to -40 ft MLLW	NA	YES	YES	YES	YES
MB-1 (Arco)	12	Mudline to -40 ft MLLW	34.8	NO	NO	NO	NO
MB-2 (Arco)	12	Mudline to -40 ft MLLW	36.4	NO	NO	NO	NO
MB-3 (Terminal 3)	12	Mudline to -40 ft MLLW	29.5	NO	NO	NO	NO
MB-4 (Terminal 3)	12	Mudline to -40 ft MLLW	33.5	NO	NO	NO	NO
MB-5 (Terminal 2)	12	Mudline to -40 ft MLLW	33.1	NO	NO	NO	NO
MB-6 (Terminal 2)	12	Mudline to -40 ft MLLW	33.2	NO	NO	NO	NO
NB COMP	NA	Mudline to -40 ft MLLW	NA	YES	YES	YES	YES
NB-1 (Time Oil)	12	Mudline to -40 ft MLLW	35.4	NO	NO	NO	NO
NB-2 (Time Oil)	12	Mudline to -40 ft MLLW	35.3	NO	NO	NO	NO
NB-3 (Levin)	12	Mudline to -40 ft MLLW	36.9	NO	NO	NO	NO
NB-4 (Levin)	12	Mudline to -40 ft MLLW	36.0	NO	NO	NO	NO
NB-5 (Texaco)	12	Mudline to -40 ft MLLW	32.7	NO	NO	NO	NO
NB-6 (Texaco)	12	Mudline to -40 ft MLLW	35.2	NO	NO	NO	NO
R-OS	grab	NA	NA	YES	YES	YES	YES
R-BF	grab	NA	NA	YES	YES	YES	YES
R-AM	grab	NA	NA	YES	YES	YES	YES
C-SB	grab	NA	NA	NO	NO	YES	YES
C-NE	grab	NA	NA	NO	NO	YES	NO
C-NV	grab	NA	NA	NO	NO	YES	YES
C-WB	grab	NA	NA	NO	NO	YES	NO
C-AM	grab	NA	NA	NO	NO	YES	NO

(a) NA Not applicable.

SAN FRANCISCO BAY CONSERVATION AND DEVELOPMENT COMMISSION

THIRTY VAN NESS AVENUE, SUITE 2011
SAN FRANCISCO, CALIFORNIA 94102-6080
PHONE: (415) 557-3686

Permittees' Copy

PERMIT NO. M96-17

July 10, 1996

City of Richmond
1411 Harbour Way South
Richmond, California 94804

ATTENTION: Mr. Gene Serex,
Chief Harbor Engineer

Ladies and Gentlemen:

I. Authorization

A. Subject to the conditions stated below, the permittee, Port of Richmond, is hereby authorized to do the following:

Location: In the Bay, in the City of Richmond and County of Contra Costa, at the Richmond Harbor berths (IMTT (Texaco); Levin; National Gypsum; GATX; ARCO; Terminal Nos. Two and Three; and Berth Nos. Six and Seven), at an auto storage lot at the Richmond Harbor in the City of Richmond, Contra Costa County (see Exhibit A), and at the U.S. Environmental Protection Agency Section 102 San Francisco deep ocean disposal site located offshore of the Farallones Islands in the Pacific Ocean and outside of the Commission's jurisdiction (see Exhibit B) or outside the Commission's jurisdiction.

Description: Dredge up to 97,009 cubic yards of material by deepening the following berths in the Richmond Harbor: IMTT (Texaco); Levin; National Gypsum; GATX; ARCO; Terminal Nos. Two and Three; and Berth Nos. Six and Seven. Dispose the total volume of material at an auto storage lot at the Richmond Harbor near Point Potrero, and at the federally designated deep ocean disposal site in the Pacific Ocean or outside the Commission's jurisdiction.

B. This authority is generally pursuant to and limited by your application received on April 11, 1996 including its accompanying exhibits and all conditions of this permit.

C. Work authorized herein must commence prior to July 1, 1997, or this permit will lapse and become null and void. Such work must also be diligently pursued to completion and must be completed within thirty months of commencement or by January 1, 2000, unless an extension of time is granted by amendment of the permit.

Dedicated to making San Francisco Bay better.

II. Special Conditions

The authorization made herein shall be subject to the following special conditions, in addition to the standard conditions in Part IV:

A. Water Quality. At least 20 days prior to the commencement of any disposal episode authorized herein, the permittee shall submit to the Executive Director water quality certification or waiver of water quality certification from the California Regional Water Quality Control Board, San Francisco Bay Region, for that episode. Failure to obtain such certification or waiver of certification prior to the commencement of the dredging episode shall terminate the Commission's authorization for that dredging episode.

B. 30-Month Permit for Dredging. The approximately 97,009 cubic yards or less of maintenance dredging authorized by this permit shall be completed within 30 months of commencement. No further dredging is authorized by this permit.

C. Limits on Dredging. This permit authorizes new dredging only. No maintenance dredging is authorized. The permit authorizes dredging within area(s) as shown on Exhibit A, and Exhibits C-J. No dredging in other areas is authorized.

D. Dredging Report

1. **Prior Notice of Episode.** The permittee shall notify the staff by telephone or in writing at least seven (7) days prior to undertaking any dredging episode. The permittee shall permit the Commission staff or representatives of other state or federal agencies to come aboard the dredge or barge associated with the dredging or disposal episode and observe the operation to ensure that the dredging or disposal activity is consistent with the dredging report required herein and the other terms and conditions of this permit.
2. **Dredging Report.** Within thirty (30) days of completion of each dredging episode authorized by this permit, the permittee shall submit to the Commission a report which contains: (1) a bathymetric map showing (a) the location of all areas authorized to be dredged and to what depth based on Mean Lower Low Water (MLLW); and (b) the actual areas dredged and to what depth based on MLLW, and any dredging that occurred outside the area authorized to be dredged or below the authorized depths; and (2) the actual volume of the material dredged and disposed. The Commission reserves the right to have such report inspected by a reliable third party familiar with bathymetric mapping in order to verify the contents of the report. If a third party selected by or on behalf of the Commission indicates that the report is inaccurate, the Commission reserves the right to require the permittee to submit a revised report that meets the requirements of this condition. If the Commission determines that the contents of the dredging report indicate that work has occurred beyond that authorized by the permit, such violation may result in the initiation of enforcement action by or on behalf of the Commission.

E. Timing. To protect important fisheries or migrating anadromous fish species, no dredging shall occur pursuant to this permit between December 1 and March 1 of any year during the duration of this permit unless written approval of dredging during this period is provided by or on behalf of the Commission prior to the commencement of the dredging. Approval of any dredging activities between December 1 and March 1 of any year shall be made by or on behalf of the Commission only upon the finding that: (1) a dredging or disposal operation which was begun

prior to December 1 of any year could not be completed by the December 1 deadline due to unforeseen delays; (2) a professional biologist, or other individual sufficiently competent to identify herring spawning activity, is at the project site during all dredging operations; and (3) if herring spawning is detected at or within 200 meters of the dredging operations by the permittee's on-site biologist or qualified staff person, Department of Fish and Game personnel, or the Commission staff, all dredging will cease for a minimum of 14 days or until it can be determined that the herring hatch has been completed and larval herring concentrations have left the site. To facilitate rapid and efficient communication under these circumstances, the permittee shall provide the Commission staff and Department of Fish and Game personnel with all necessary telephone, FAX, and pager numbers.

III. Findings and Declarations

On behalf of the Commission, I find and declare that:

A. The project authorized by this permit involves new dredging of approximately 97,009 cubic yards of material from the Port of Richmond berths (IMTT (Texaco); Levin; National Gypsum; GATX; ARCO; Terminal Nos. Two and Three; and Berth Nos. Six and Seven), and disposal of the material at an auto storage lot at the Richmond Harbor in the City of Richmond, Contra Costa County, and at the U.S. Environmental Protection Agency Section 102 San Francisco deep ocean disposal site located offshore of the Farallones Islands in the Pacific Ocean and outside of the Commission's jurisdiction, a project defined in Regulation Sections 10602(b) and 10602(e), respectively, as new dredging of 100,000 cubic yards of less of material completed within a period of 30 months, and as disposal of material in the ocean or a non-aquatic location, and thus is a "minor repair or improvement" for which the Executive Director may issue a permit, pursuant to Government Code Section 66632(f), and Regulation Sections 10602(a) and 10602(e). Additional dredging episodes may be authorized by amendment pursuant to the aforementioned dredging plan. Dredging beyond January 1, 2000 or beyond thirty months after commencing dredging may be authorized by amendment of the original permit.

B. The project authorized by this permit is consistent with the McAteer-Petris Act and with the San Francisco Bay Plan in that it will not adversely affect the Bay nor public access to and enjoyment of the Bay. The project also adheres to the Bay Plan's dredging policies in that dredged material disposal will not cause further sedimentation or harmful effects to the ecology of the Bay and the total volume of material will be disposed outside of the Bay.

C. The Commission further finds, declares, and certifies that the activity or activities authorized herein are consistent with the Commission's Amended Management Program for San Francisco Bay, as approved by the Department of Commerce under the Federal Coastal Zone Management Act of 1972, as amended.

D. Pursuant to Regulation Section 11501, the project authorized by this permit is categorically exempt from the requirement to prepare an environmental impact report.

E. Pursuant to Regulation Section 10620, this project was listed with the Commission on July 4, 1996.

IV. Standard Conditions

A. All required permissions from governmental bodies must be obtained before the commencement of work; these bodies include, but are not limited to, the U. S. Army Corps of Engineers, the State Lands Commission, the Regional Water Quality Control Board, and the city and/or county in which the work is to be performed, whenever any of these may be required. This permit does not relieve the permittee of any obligations imposed by State or Federal law, either statutory or otherwise.

B. The attached Notice of Completion and Declaration of Compliance form shall be returned to the Commission within 30 days following completion of the work.

C. Work must be performed in the precise manner and at the precise locations indicated in your application, as such may have been modified by the terms of the permit and any plans approved in writing by or on behalf of the Commission.

D. Work must be performed in a manner so as to minimize muddying of waters, and if diking is involved, dikes shall be waterproof. If any seepage returns to the Bay, the permittee will be subject to the regulations of the Regional Water Quality Control Board in that region.

E. The rights, duties, and obligations contained in this permit are assignable. When the permittee transfers any interest in any property either on which the authorized activity will occur or which is necessary to the full compliance of one or more conditions to this permit, the permittee/transferor and the transferee shall execute and submit to the Commission a permit assignment form acceptable to the Executive Director. An assignment shall not be effective until the assignee executes and the Executive Director receives an acknowledgment that the assignee has read and understands the permit and agrees to be bound by the terms and conditions of the permit, and the assignee is accepted by the Executive Director as being reasonably capable of complying with the terms and conditions of the permit.

F. Unless otherwise provided in this permit, all the terms and conditions of this permit shall remain effective for so long as the permit remains in effect or for so long as any use or construction authorized by this permit exists, whichever is longer.

G. Unless otherwise provided in this permit, the terms and conditions of this permit shall bind all future owners and future possessors of any legal interest in the land and shall run with the land.

H. Unless otherwise provided in this permit, any work authorized herein shall be completed within the time limits specified in this permit, or, if no time limits are specified in the permit, within three years. If the work is not completed by the date specified in the permit, or, if no date is specified, within three years from the date of the permit, the permit shall become null and void. If a permit becomes null and void for a failure to comply with these time limitations, any fill placed in reliance on this permit shall be removed by the permittee or its assignee upon receiving written notification by or on behalf of the Commission to remove the fill.

I. Except as otherwise noted, violation of any of the terms of this permit shall be grounds for revocation. The Commission may revoke any permit for such violation after a public hearing held on reasonable notice to the permittee or its assignee if the permit has been effectively assigned. If the permit is revoked, the Commission may determine, if it deems appropriate, that all or part of any fill or structure placed pursuant to this permit shall be removed by the permittee or its assignee if the permit has been assigned.

J. This permit shall not take effect unless the permittee executes the original of this permit and returns it to the Commission within ten days after the date of the issuance of the permit. No work shall be done until the acknowledgment is duly executed and returned to the Commission.

K. Any area subject to the jurisdiction of the San Francisco Bay Conservation and Development Commission under either the McAteer-Petris Act or the Suisun Marsh Preservation Act at the time the permit is granted or thereafter shall remain subject to that jurisdiction notwithstanding the placement of any fill or the implementation of any substantial change in use authorized by this permit.

L. Any area not subject to the jurisdiction of the San Francisco Bay Conservation and Development Commission that becomes, as a result of any work or project authorized in this permit, subject to tidal action shall become subject to the Commission's "bay" jurisdiction.

M. Unless the Commission directs otherwise, this permit shall become null and void if any term, standard condition, or special condition of this permit shall be found illegal or unenforceable through the application of statute, administrative ruling, or court determination. If this permit becomes null and void, any fill or structures placed in reliance on this permit shall be subject to removal by the permittee or its assignee if the permit has been assigned to the extent that the Commission determines that such removal is appropriate. Any uses authorized shall be terminated to the extent that the Commission determines that such uses should be terminated.

Executed at San Francisco, California, on behalf of the San Francisco Bay Conservation and Development Commission on the date first above written.

WILL TRAVIS

Executive Director

San Francisco Bay Conservation and
Development Commission

By:



STEVEN A. McADAM
Assistant Executive Director
for Permits and Enforcement

SAM/JM/π

cc: U. S. Army Corps of Engineers, Attn.: Ms. Linda Ngim
San Francisco Bay Regional Water Quality
Control Board, Attn.: Mr. Tom Gandesbery
U.S. Environmental Protection Agency, Attn.: Mr. Brian Ross
Department of Fish and Game, Attn.: Mr. Bob Tasto
State Lands Commission, Attn.: Ms. Mary Howe
Jordan Woodman Dobson, Attn.: Mr. Gille Wilbanks

PERMIT NO. M96-17
Port of Richmond
July 10, 1996
Page 6

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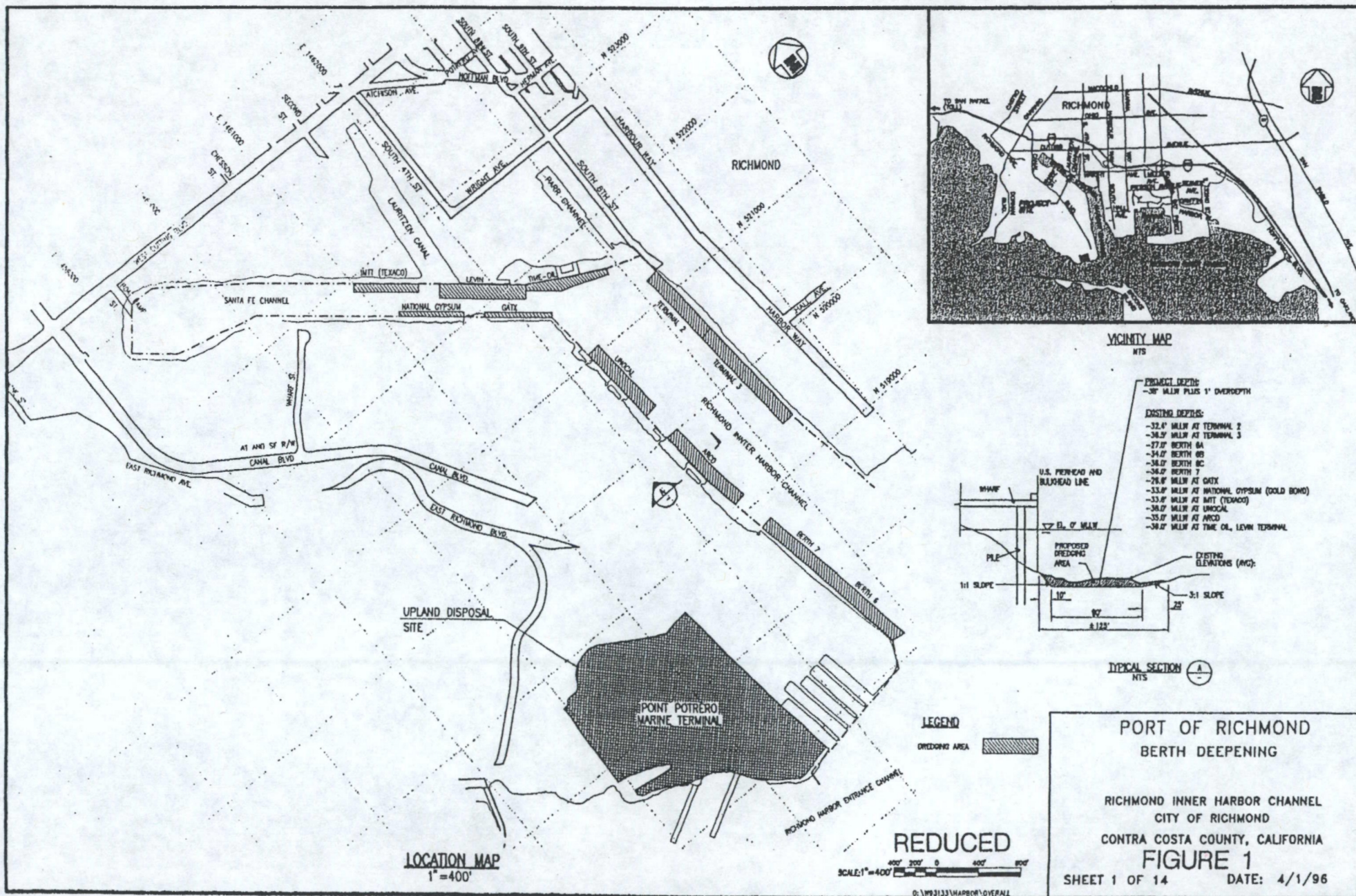
Receipt acknowledged, contents understood and agreed to:

Executed at Richmond, Calif

Port of Richmond / City of Richmond
Applicant

On July 12, 1996

By: Dave Serex
Chief Harbor Engineer
Title



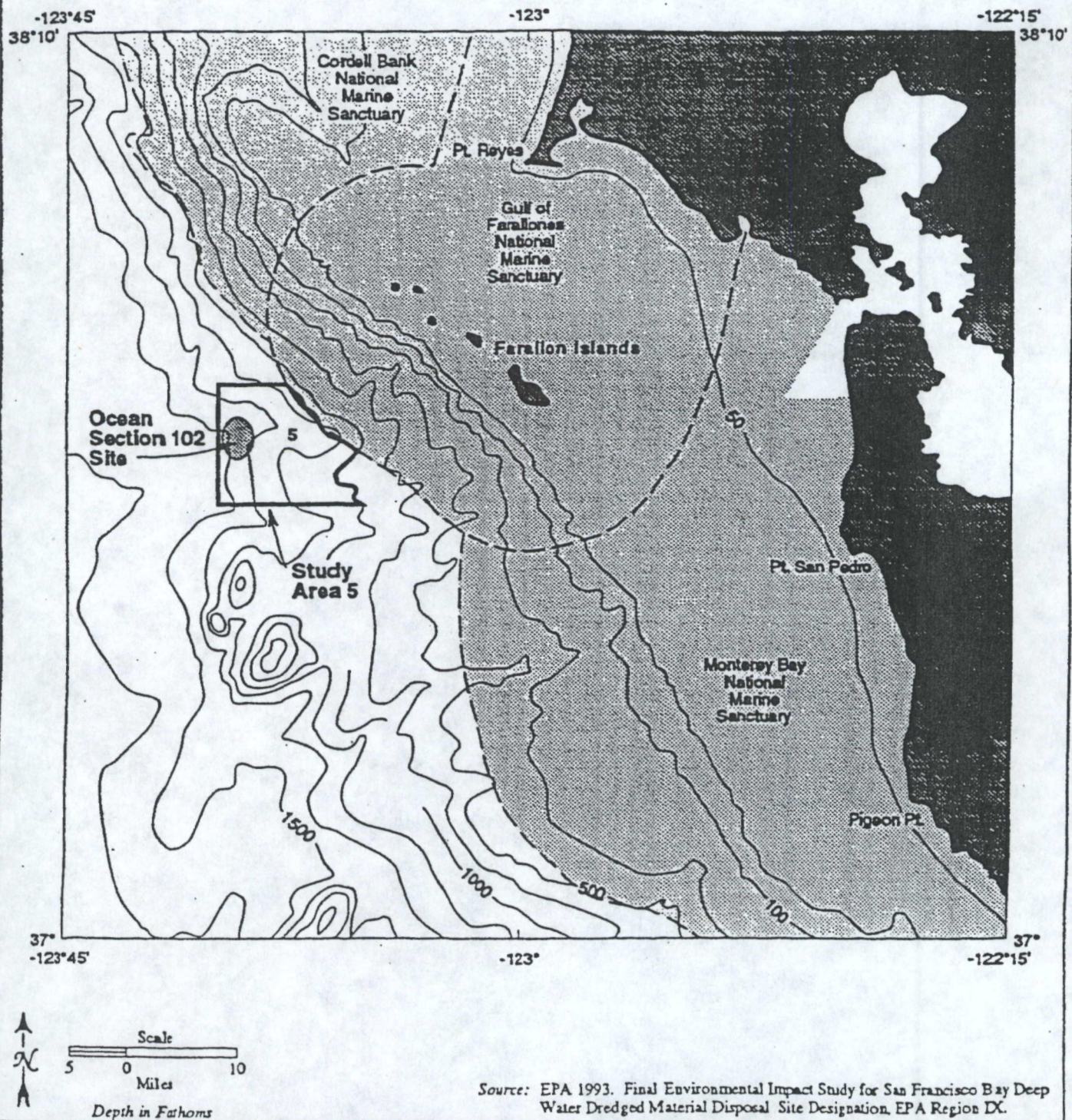
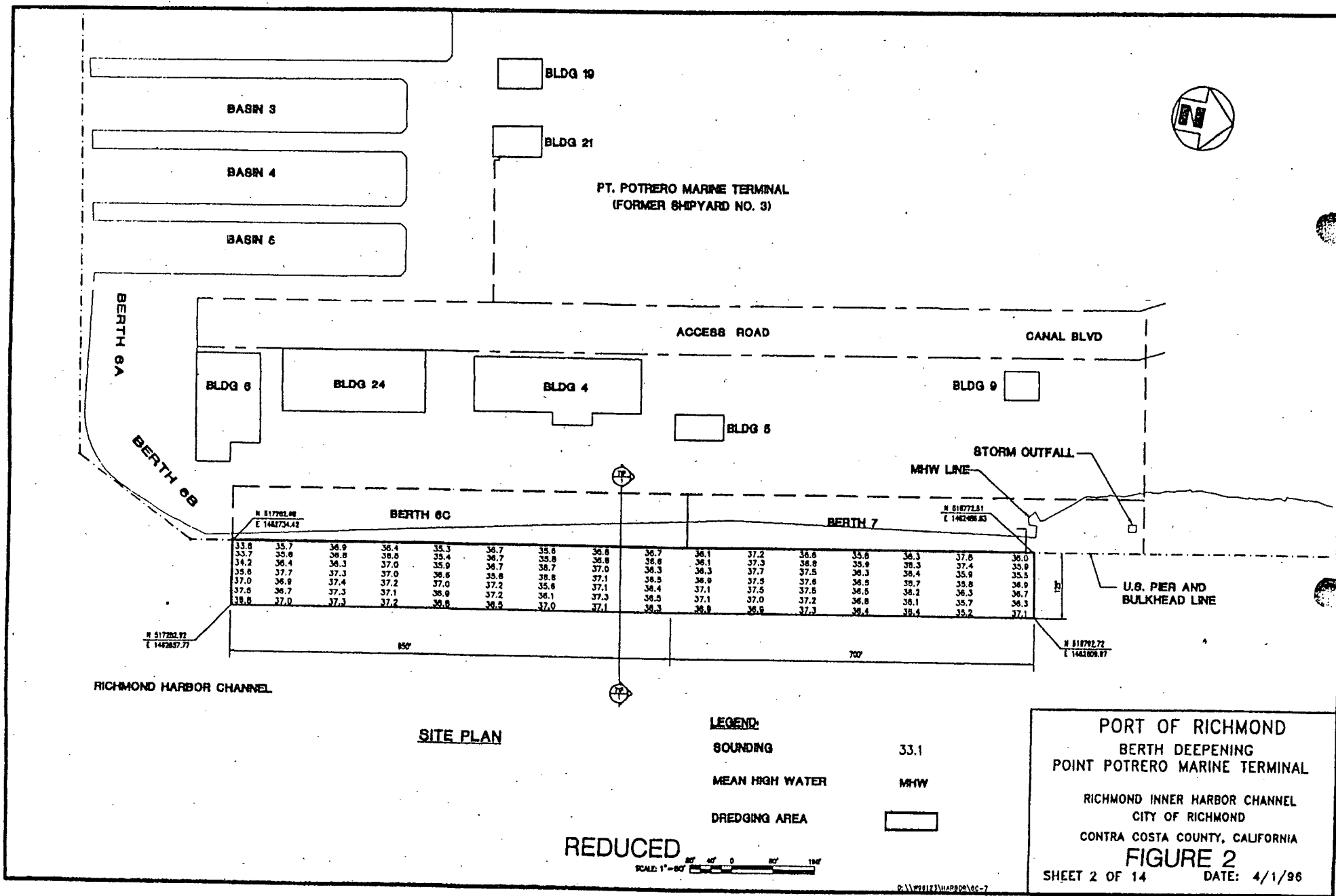


Figure 2.3-2

SAN FRANCISCO DEEPWATER OCEAN DISPOSAL SITE (SF-DODS)





ARCO RICHMOND TERMINAL

TANKER

DOCK

MHW LINE

N 519079.68
E 1462401.20

U.S. PIER AND
BULKHEAD LINE

N 520176.54
E 1462318.23

N 519089.11
E 1462525.85

N 520185.97
E 1462442.87

RICHMOND INNER HARBOR CHANNEL

SITE PLAN

LEGEND:

SOUNDING IN FT BELOW MLLW 33.3

MEAN HIGH WATER MHW

DREDGING AREA



REDUCED

SCALE: 1"=50'

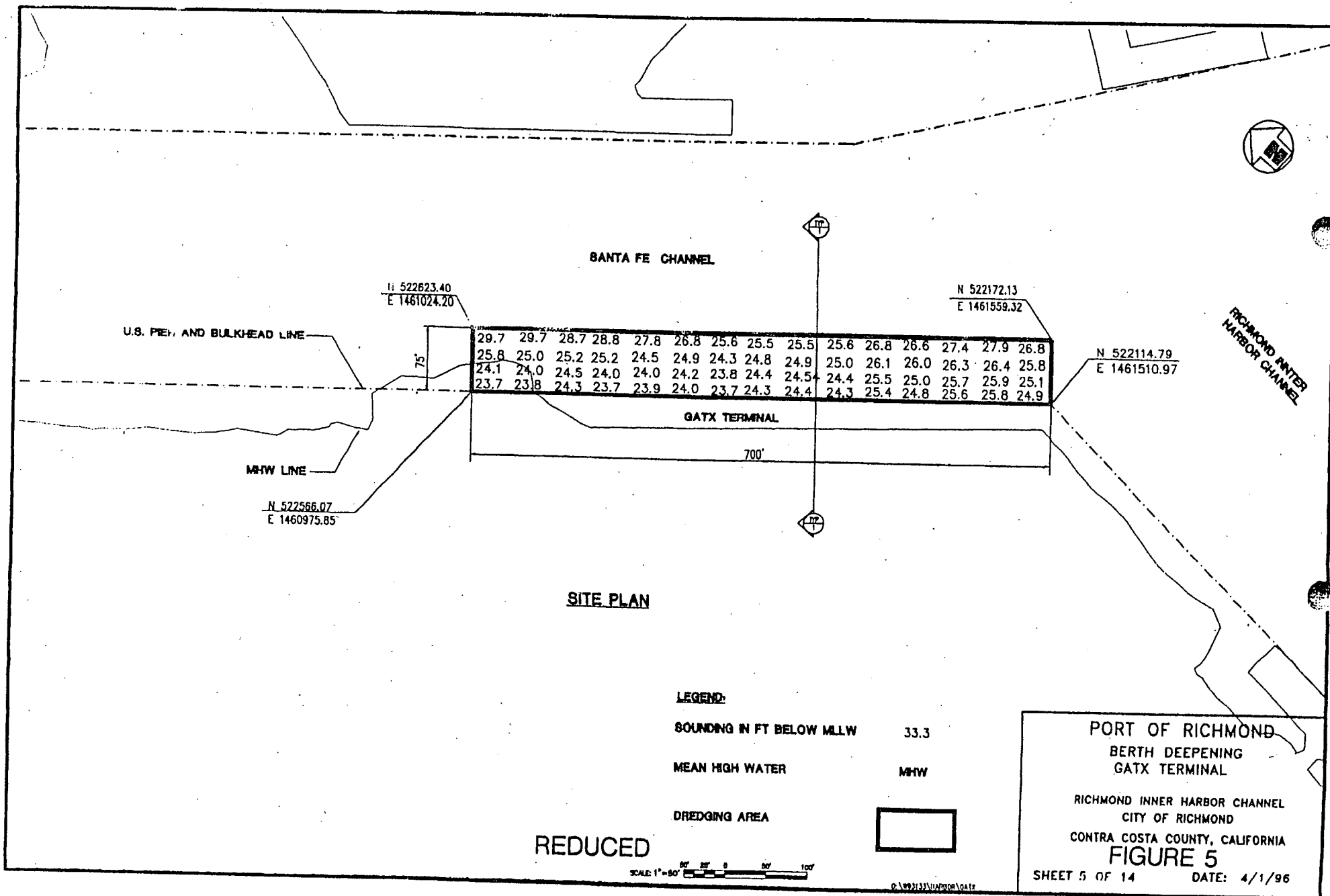
PORT OF RICHMOND
BERTH DEEPENING
ARCO RICHMOND TERMINAL

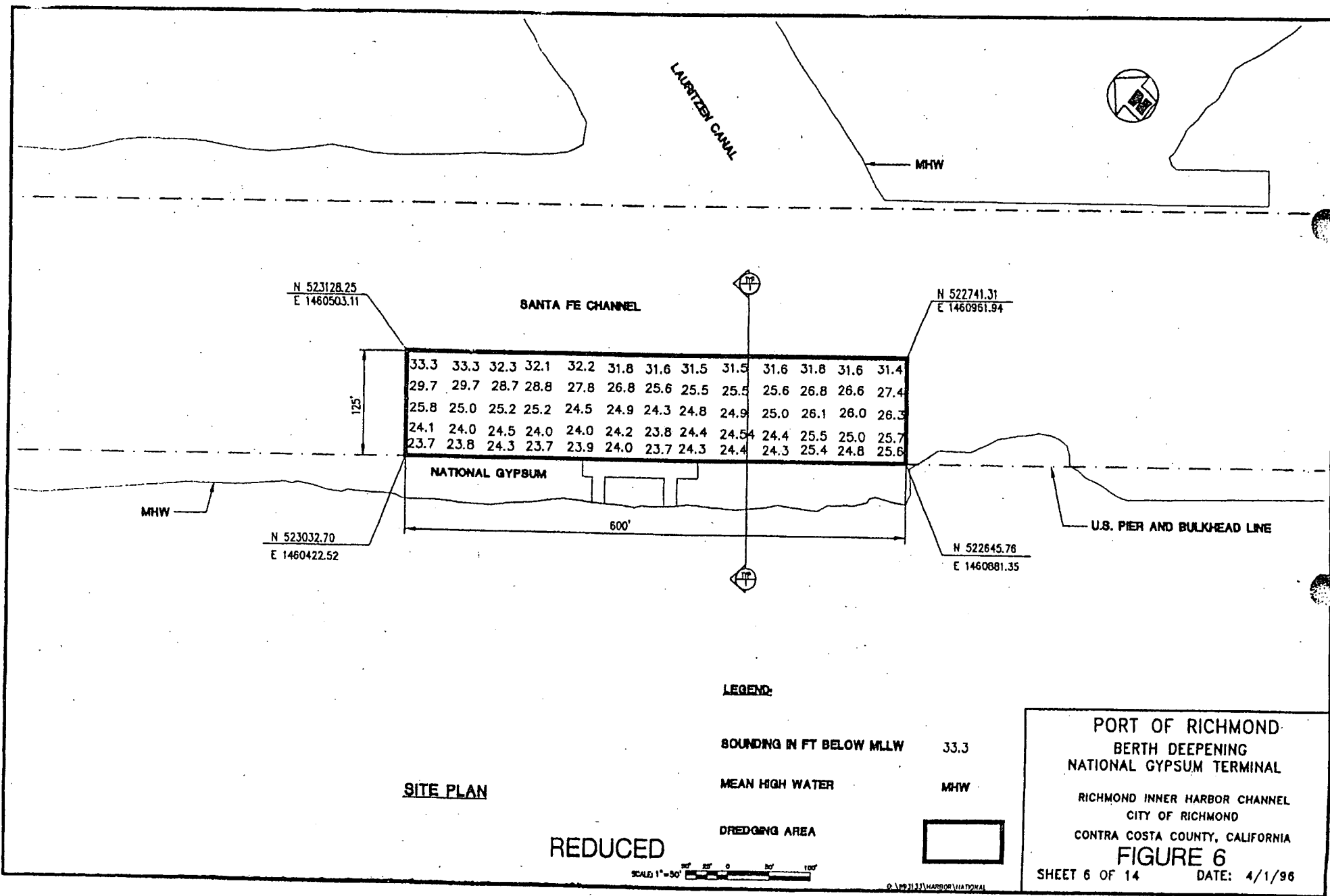
RICHMOND INNER HARBOR CHANNEL
CITY OF RICHMOND
CONTRA COSTA COUNTY, CALIFORNIA

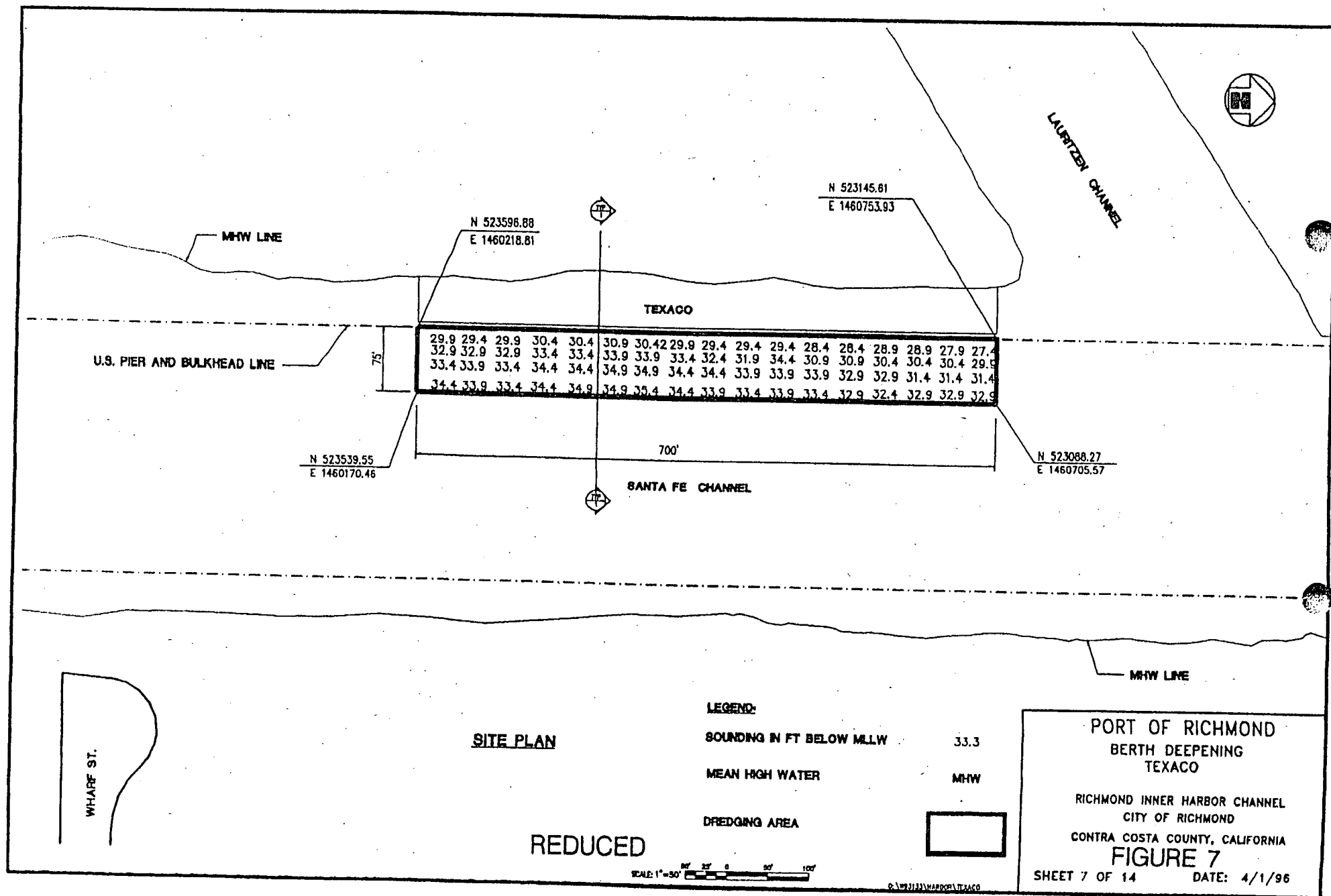
FIGURE 3

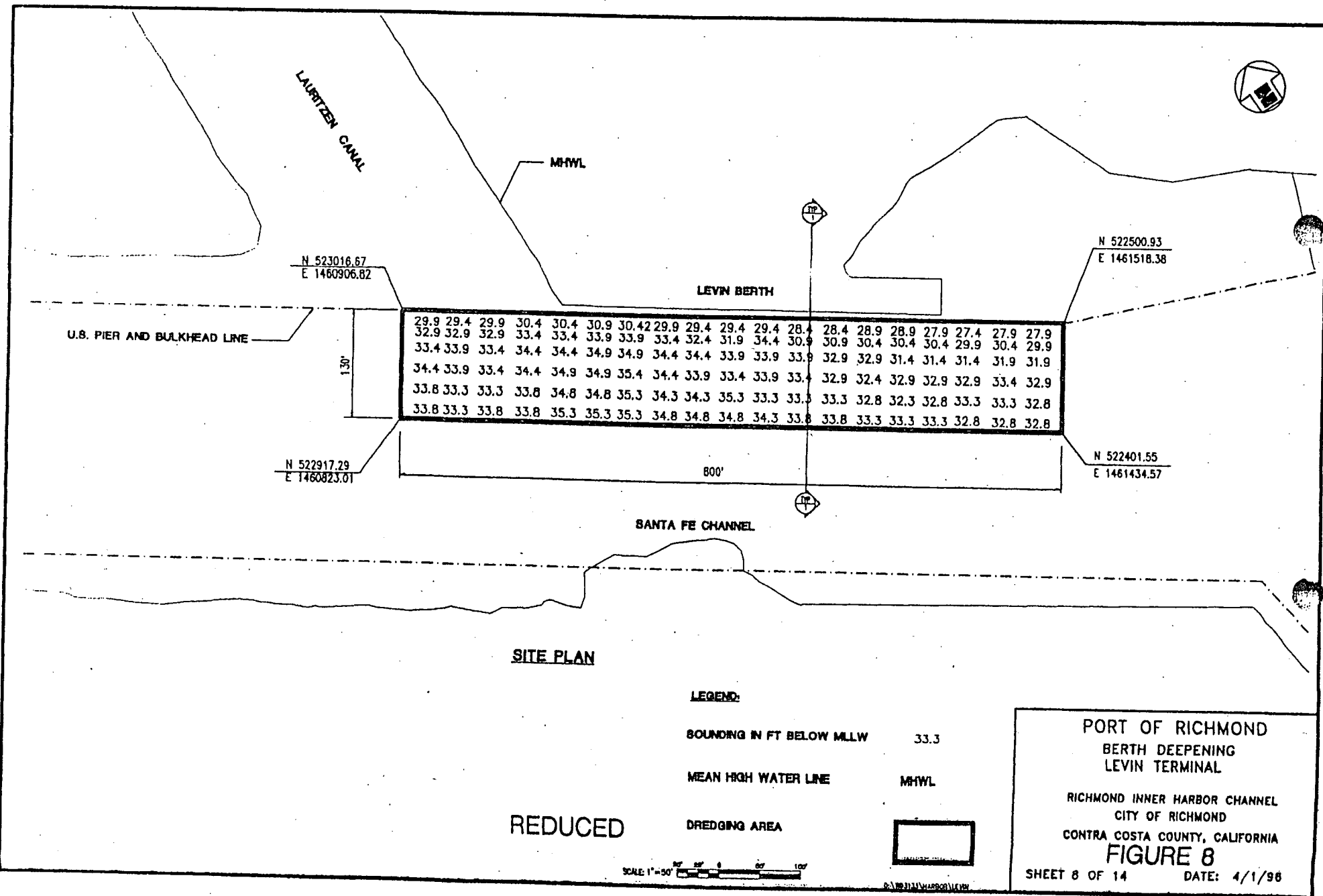
SHEET 3 OF 14

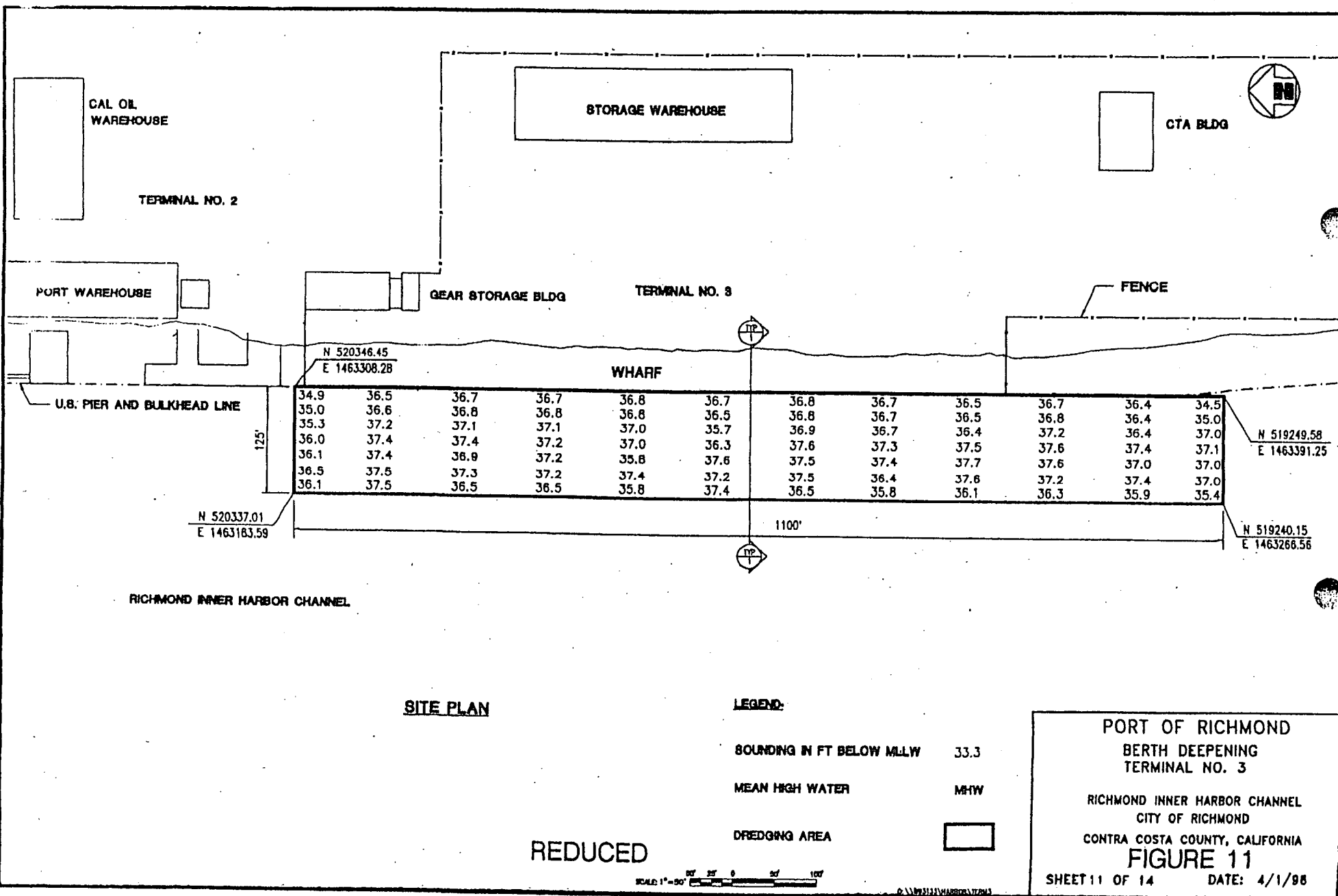
DATE: 4/1/96

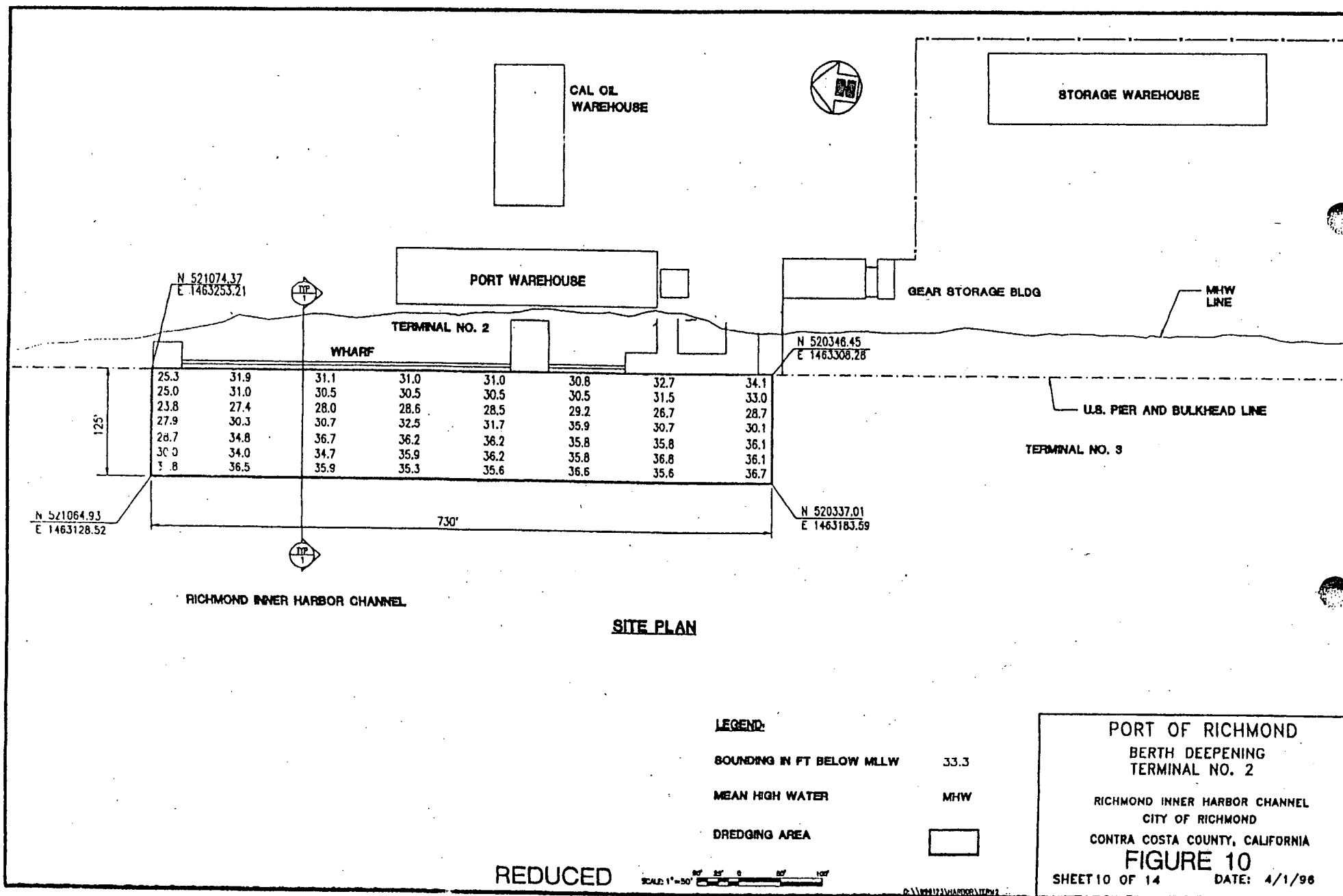












REDUCED

SCALE: 1" = 50'

PERMIT NO. M96-17

PORT OF RICHMOND

NOTICE OF COMPLETION AND DECLARATION OF COMPLIANCE

San Francisco Bay Conservation
and Development Commission
Thirty Van Ness Avenue, Room 2011
San Francisco, CA 94102

Ladies and Gentlemen:

You are hereby informed that the work authorized by the above-referenced permit was completed on _____.

I have personally reviewed the terms and conditions of the permit, the final plans approved by or on behalf of the Commission, and the completed project and hereby certify that the project is in compliance with all terms and conditions of the permit and conforms to the plans previously reviewed and approved by or on behalf of the Commission. I further certify that all conditions of the permit, particularly with regard to plan review, public access areas and improvements, recordation, open space restrictions and other special conditions have been met.

I, _____, hereby declare under penalty of perjury that the foregoing is true and correct and that if called upon to testify to the contents of this notice, I would so testify.

Executed on this _____ day of _____, 19____,
at _____, California.

(Permittee)

(Title)